

  
KNOLLWOOD ENERGY

REC 16-125  
Knollwood Energy of MA LLC  
P.O. Box 30  
Chester, New Jersey 07930

HPUC 14JAN16AM11:18

January 12, 2016

Debra A. Howland  
Executive Director  
New Hampshire Public Utilities Commission  
21 South Fruit Street, Suite 10  
Concord, NH 03301-2429

Dear Ms Howland,

Enclosed please find applications for 12 systems to be part of the Knollwood Energy of MA LLC (NH-II-13-089) Class II Photovoltaic aggregation for New Hampshire Renewable Energy Certificates (RECs) generated from customer-sited sources, pursuant to New Hampshire Code of Administrative Rules Puc 2506.

Also enclosed are the Simplified Process Interconnection Application and Service Agreement, and the Certificate of Completion.

Electronic versions have been entered into the new online application system under batch number KN16003.

Jeff Egan	George Heavner
John Elkins	Susan Hemingway
Matt Erlick	Bobby Lambert – High St Solar
Albert Franz	Jeff Huckins
Justin Hart	John Straight
Bradford Hartwell	Stephen Rust

Please feel free to contact me with any questions or further instructions.  
Thank you for your consideration,

Linda Modica  
New England REC Operations Manager  
**Knollwood Energy of MA LLC**  
973.879.7826  
[linda@knollwoodenergy.com](mailto:linda@knollwoodenergy.com)

## NH Public Utilities Commission

REC Aggregator Portal

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New Users [CLICK HERE](#) to setup your account for this form. Creating an account enables you to partially complete the form and return later to finish it or to make changes after the form is submitted. Be sure to create your account **BEFORE** entering information into the form, or the information will be lost.

Existing Users [CLICK HERE](#)

**Basic Information**

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Who is submitting this request?

Aggregator

Aggregator Batch Number

KN16003

Executive Director email

PUC - Executive.Director

Aggregator name

Knollwood Energy

Aggregator Email

linda@knollwoodenergy.com

Other Aggregator name

Other aggregator email address

Facility Owner Name

John Elkins

Facility Owner email

mje570@gmail.com

Owner Phone

603-744-0532

Facility Address

570 Hundred Acre Wood Rd

Facility Town/City

Bristol

Facility State

NH

Facility Zip

03222

Is the facility address the same as the owner's mailing address

- ☒ Yes  
☐ No

Mailing Address

Mailing Town/City

Mailing State

Mailing Zip

Primary Contact (who should we call with questions)

Linda Modica

Contact Phone

Other Email Address

Facility Information

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Class

II

Utility

NHEC

Other Utility Name

To obtain a GIS ID contact:

James Webb

408 517 2174

jwebb@apx.com

GIS ID (include "NON")

Date of Initial Operation

Facility Operator Name, if applicable

Panel Quantity

Panel Make

Panel Model

Panel Rated Output

System capacity based on panels

Inverter Quantity

Inverter Make

Inverter Rated Output

Add'l Inverter Quantity

NA

Additional Inverter Make

None

Add'l Inverter Model

Rated Output - Primary Inverter

250

Rated Output - Additional Inverter

System capacity based on single inverter make

0.15

System capacity based on two inverter types

System capacity in mW as stated on the interconnection agreement

15.0

Revenue Grade Meter Make

Irtton Centron

Was this facility installed directly by the customer (no electrician involved)?

- ☐ Yes  
☒ No

Electrician Name & Number

Other

Other Electrician Name & Number

Kim Frase 4146M

Installation Company

Frase Electric, LLC

Other Installation Company Name

Other Inst. Company Address

Other Inst. Company City

Other Inst. Company State

Other Inst. Company Zip

Independent Monitor Name & Company

Other Monitor Name and Company

Is the installer also the equipment supplier?

- ☒ Yes  
☐ No

Equipment Vendor

Please attach your completed interconnection agreement including Exhibit B.

The project described in this application will meet the metering requirements of PUC 2506 including:

Electricity generation in megawatt hours shall be reported to the GIS quarterly with a statement that the submission is accurate by the owner of the source, the independent monitor or a designated representative.

A revenue quality meter is used to measure the electricity generated.

The facility owner has certified to the independent monitor that the meter operates according to manufacturing standards.

The meter shall be maintained according to the manufacturer's recommendations.

The project is installed and operating in conformance with applicable building codes.

A copy of the facility's interconnection agreement is attached.

Please attach additional document here

[https://fs30.formsite.com/jan1947/files/f-5-168-5864102\\_0bmDOQYF\\_Elkins\\_Interconnect\\_Phase\\_2.pdf](https://fs30.formsite.com/jan1947/files/f-5-168-5864102_0bmDOQYF_Elkins_Interconnect_Phase_2.pdf)

Please attach additional document here

[https://fs30.formsite.com/jan1947/files/f-5-173-5864102\\_PQ9uYKci\\_Elkins\\_NHOS.pdf](https://fs30.formsite.com/jan1947/files/f-5-173-5864102_PQ9uYKci_Elkins_NHOS.pdf)

Aggregator statement of accuracy

Sign your name using a mouse or, if you are using a touch-screen device, a stylus or other pointer.



Print Name

Linda Modica

Date Signed

01/12/2016

FL

**NEW HAMPSHIRE ELECTRIC CO-OP  
"BELOW THE GAP"**

**INTERCONNECTION APPLICATION-RENEWABLE GENERATION UP TO 1000 KW**

PURSUANT TO NEW HAMPSHIRE ELECTRIC COOPERATIVE TERMS & CONDITIONS, SECTION X.  
NET METERING AND THE NEW HAMPSHIRE ADMINISTRATIVE RULE PUC 900, APPLICANT  
HEREBY GIVES NOTICE OF INTENT TO INSTALL AND OPERATE A GENERATING FACILITY.

**Applicant Information**

Name: John and Marion Elkins Phase 1  
Mailing Address: 570 Hundred Acre Wood Rd.  
City: Bristol State: NH Zip Code: 03222  
Facility Location (if different from above): \_\_\_\_\_  
Daytime Phone Number: 603-744-0532  
Distribution Utility: NH Electric Coop Account Number: [REDACTED]  
Electricity Supplier (ES): \_\_\_\_\_ Account Number: \_\_\_\_\_

**Generating Facility Information**

Generator Type (check one): Solar ☒ Wind ☐ Hydro ☐  
Generator Manufacturer, Model Name & Number: SolarWorld 280 Blk  
Number of Phases of Unit: Single ☒ Three ☐ Other ☐  
Generation output rating in AC & DC Kilowatts: 250x34=8.5KW AC 9.52KW PV  
Inverter Manufacturer, Model Name & Number: Enphase 250 Microinverter  
Battery backup: Yes ☐ No ☒  
Will a generator Disconnect Switch accessible to the utility be installed? Yes ☒ No ☐  
Proposed location of Disconnect Switch, if applicable: At Array

**Installation Information & Certification**

Installer: Frase Electric LLC ☐ Check if owner-installed  
Installation Date: 7/28/15  
Installing Electrician: Frase Electric LLC State of NH License #: 4146M  
Mailing Address: 789 Whittier Hwy., South Tamworth, NH 03883  
Daytime Phone Number: 603-284-6618

**Installation Information & Certification continued**

The system hardware is listed to Underwriters Laboratories standards to be in compliance with UL1741 and IEEE 929-2000:

Signed (Vendor/Supplier):

Name (Printed): Kim Frase

Date:

7/28/15

Company: Frase Electric LLC

Company Address: 789 Whittier Hwy., So. Tamworth, NH 03883

The system has been installed in compliance with local Building/Electrical Code of City/County: BAISTON/6 RAPTOR

Signed (Electrician or Town Inspector):

Print Name: KIM FRASE - ELECTRICIAN

Date:

7/28/15

\*In lieu of signature by inspector, a copy of final inspection certificate may be attached.

The initial start-up test required by PUC 905.04 has been successfully completed by the electrician.

Completed on:

7/28/15

Witnessed By:

Utility signature to signify only receipt of this form, in compliance with the Commission's net metering rules PUC 900.

Signed (NHEC):

Print Name:

SCOTT McAVAIL

Date:

8.4.15

Signed (Electricity Supplier Representative):

Date:

Interconnection Date:

8.4.15

Applicant agrees to install and operate the system in accordance with PUC 900.

I hereby certify that, to the best of my knowledge, all of the information provided in this Application is true and correct.

Signature of Applicant:

John O'Hara

Date:

8-4-15

THE ELIGIBLE CUSTOMER-GENERATOR SHALL PROVIDE NEW HAMPSHIRE ELECTRIC CO-OP WITH A WRITTEN UPDATE OF THE INFORMATION ON THIS FORM AS ANY CHANGES OCCUR.

**NEW HAMPSHIRE ELECTRIC CO-OP**  
**"BELOW THE CAP"**  
**INTERCONNECTION APPLICATION-RENEWABLE GENERATION UP TO 1000 KW**

PURSUANT TO NEW HAMPSHIRE ELECTRIC COOPERATIVE TERMS & CONDITIONS, SECTION X.  
NET METERING AND THE NEW HAMPSHIRE ADMINISTRATIVE RULE PUC 900, APPLICANT  
HEREBY GIVES NOTICE OF INTENT TO INSTALL AND OPERATE A GENERATING FACILITY.

**Applicant Information**

Name: John and Marion Elkins Phase 2  
Mailing Address: 570 Hundred Acre Wood Rd.  
City: Bristol State: NH Zip Code: 03222  
Facility Location (if different from above): \_\_\_\_\_  
Daytime Phone Number: 603-744-0532  
Distribution Utility: NH Electric Coop Account Number: [REDACTED]  
Electricity Supplier (ES): \_\_\_\_\_ Account Number: \_\_\_\_\_

**Generating Facility Information**

Generator Type (check one): Solar ☒ Wind ☐ Hydro ☐  
Generator Manufacturer; Model Name & Number: SolarWorld 280 Blk  
Number of Phases of Unit: Single ☒ Three ☐ Other ☐  
Generation output rating in AC & DC Kilowatts: 26x250=6.5KW AC 7.28KW PV  
Inverter Manufacturer, Model Name & Number: Enphase 250 Microinverter  
Battery backup: Yes ☐ No ☒  
Will a generator Disconnect Switch accessible to the utility be installed? Yes ☒ No ☐  
Proposed location of Disconnect Switch, if applicable: At Array

**Installation Information & Certification**

Installer: Frase Electric LLC ☐ Check if owner-installed  
Installation Date: 7/28/15  
Installing Electrician: Frase Electric LLC State of NH License #: 4146M  
Mailing Address: 789 Whittier Hwy., So. Tamworth, NH 03883  
Daytime Phone Number: 603-284-6618

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**Installation Information & Certification continued**

The system hardware is listed to Underwriters Laboratories standards to be in compliance with UL1741 and IEEE 929-2000:

Signed (Vendor/Supplier): \_\_\_\_\_

Name (Printed): Kim Frase Date: 7/28/15

Company: Frase Electric LLC

Company Address: 789 Whittier Hwy., So. Tamworth, NH 03883

The system has been installed in compliance with local Building/Electrical Code of City/County: BRISTOL/GRAFTON

Signed (Electrician or Town Inspector): [Signature]

Print Name: KIM FRASE Date: 7/28/15

*\*In lieu of signature by inspector, a copy of final inspection certificate may be attached.*

The initial start-up test required by PUC 905.04 has been successfully completed by the electrician.

Completed on: 7/28/15 Witnessed By: [Signature]

Utility signature to signify only receipt of this form, in compliance with the Commission's net metering rules PUC 900.

Signed (NHEC): [Signature]

Print Name: CATR MCNEIL Date: 8.4.15

Signed (Electricity Supplier Representative): \_\_\_\_\_

Date: \_\_\_\_\_ Interconnection Date: 8.4.15

Applicant agrees to install and operate the system in accordance with PUC 900.

I hereby certify that, to the best of my knowledge, all of the information provided in this Application is true and correct.

Signature of Applicant: [Signature] Date: 8-4-15

THE ELIGIBLE CUSTOMER-GENERATOR SHALL PROVIDE NEW HAMPSHIRE ELECTRIC CO-OP WITH A WRITTEN UPDATE OF THE INFORMATION ON THIS FORM AS ANY CHANGES OCCUR.

## New Hampshire PUC REC Certification Application Owner Statements

The information provided on this application for New Hampshire Renewable Energy Certificate eligibility is accurate to the best of my knowledge and I authorize Knollwood Energy to act on my behalf in filing said application.

The project described in this application will meet the metering requirements of PUC 2506 including:

Electricity generation in megawatt hours shall be reported to the GIS quarterly with a statement that the submission is accurate by the owner of the source, the independent monitor, or a designated representative.

A revenue quality meter is used to measure the electricity generated.

The facility owner has certified to the independent monitor that the meter operates according to manufacturing standards.

The meter shall be maintained according to the manufacturer's recommendations.

The project is installed and operating in conformance with applicable building codes.

A copy of the facility's interconnection agreement is attached.

John Elkins

\_\_\_\_\_  
Printed Name of signature owner

John Elkins  
John Elkins (Sep 13, 2015)

\_\_\_\_\_  
Signature of system owner

Signature: Linda Modica  
Linda Modica (Sep 14, 2015)

Email: Linda@KnollwoodEnergy.com